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10. The method of claim 6, wherein the reprogramming cell is an unfertilized enucleated egg from another organism of the same, or a different, species from which the cloning cell was obtained.

11. The method of claim 6, wherein the function of the gene is knocked out by homologous recombination.

12. The method of claim 6, wherein the nuclear genetic material of the cloning cell is introduced into the reprogramming cell by nuclear transfer.

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16. A method of treating a patient in need of a transplant of a cell, tissue, organ, comprising transplanting into the patient cells, a tissue, or an organ produced in the animal of claim 1.

17. A cell, tissue, or organ produced by the method of claim 6.

18. Use of a cell, tissue, or organ produced by the method of claim 6 in the treatment of a patient in need of a transplant of a cell, tissue, or organ, by transplanting the cell, tissue, or organ into the patient.

19. Use of A cell, tissue, or organ produced by the method of claim 6 in preparation of a medicament for treatment of a patient in need of a transplant of the cell, tissue, or organ.

IN THE SPECIFICATION

On page 1 of the specification, before the first paragraph, please insert the following: